



**AN OPTIMIZED OF CONGESTION CONTROL  
MECHANISM OF VANETs FOR NON-SAFETY  
MESSAGES TRANSMISSION USING TAGUCHI  
METHOD**

by

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## LIST OF ABBREVIATIONS

AP	Access Point
AODV	Ad hoc On-Demand Distance Vector
BE	Best Effort Traffic
BK	Background Traffic
BSS	Basic Service Set
CCH	Control Channels
CRaSCH	Cooperative Reservation of SCH
CSMA/CA	Carrier Sense Multiple Access with collision avoidance
DSRC	Dedicated Short Range Communication
DCF	Distributed Coordination Function
DSCA	Dynamic Service-Channels Allocation
DYMO	Dynamic MANET On-demand
DSR	Dynamic Source Routing
EDCA	Enhanced Distributed Channel Access
FCC	Federal Communications Commission
FIFO	First in First out

GPRS	General Packet Radio Service
GPS	Global-Position-System
IEEE	Institute of Electrical and Electronics Engineers
ITA	Intelligent Transport Application
ITS	Intelligent transports system
ISM	Industrial, Science and Medical
MAC	Medium Access Control
MANET	Mobile ad hoc Network
MF	Mobility Framework
NHTS	National Highway Traffic Safety Admin
NAs	Network-Authorities
OBE	On-board-Equipment
OBU	On board units
OFDM	Orthogonal Frequency Division Multiplexing
OSI	Open System Interconnect
PCF	Point Coordination Function
PDR	Packet Delivery Ratio
RERR	Route Error

RREQ	Route Request
RREP	Route Reply
RSU	Road-side-unit
RTAs	Regional-Transportation-Authorities
SPAT	Signal-Phase-and-Timing
SCH	Service Channels
TEA	Transport-Efficiency-Applications
TSA	Transport-Safety-Applications
UMTS	UTRA Terrestrial Radio Access Time Division Duplex
VIN	Vehicle Identification Number
VSC	Vehicle-Safety-Communication
VSCC	Vehicle Safety Communication Consortium
VANET	Vehicular Ad hoc Network
V2V	Vehicle to Vehicle
V2R	Vehicle-to-Roadside
V2I	Vehicle-to-Infrastructure
V2I	Vehicle to Infrastructure
VCI	Variable CCH interval